

EMD Configuration Change Request

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Page(s)

1. Originator Sarah Lewallen	2. Log Date: 03/11/2005	3. CCR #: 05-0105	4. Rev:	5. Tel: 301-925-0865	6. Rm #: 3103A	7. Org. COTS HW
8. CCR Title: Replace the QL2342 card in x0sas02 with 2 QL2340 cards.						
9. Originator Signature/Date Sarah Lewallen /s/ 03/11/2005			10. Class II	11. Type: CCR	12. Need Date: 4/1/05	
13. CCR Sponsor Signature/Date Timothy Ortiz /s/ 03/11/2005			14. Category of Change: Update ECS/EMD Baseline Doc		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted (Review and submit checklist): 920-TDG-001, 920-TDE-001			17. Schedule Impact: None		18. CI(s) Affected:DPLHW	
19. Release Affected by this Change: 7.03		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> Other: Synergy						
23. Problem: (use additional Sheets if necessary) Temporary cards were used to accelerate the installation of the Metadata servers at GSFC and EDF. Cards permanent cards have been delivered.						
24. Proposed Solution: (use additional sheets if necessary) Install 2 QL2340 cards in x0sas02 and remove 1 QL2342 and return to the EDF. Note: See page 2. These cards use the same drivers but have different WWNs. On x0sas02, touch reconfigure before rebooting. Determine the addresses by connecting to the Brocade. SANtricity host mappings must be updated with the new WWNs before the host will see the LUNs on the RAID.						
25. Alternate Solution: (use additional sheets if necessary) None						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) If card fails will loose connection to SAN.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> DMZ <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. SCDV CCB Chair (Sign/Date): Byron Peters /s/ 3/17/05			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. EDF CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

ADDITIONAL SHEET

CCR #: 05-0105 **Rev:** **Originator:** Sarah Lewalle

Telephone: 301-925-0865 **Office:** 3103A

Title of Change: Replace the QL2342 card in x0sas02 with 2 QL2340 cards.

Since the WWN's will change, this will involve two host boots. The first boot after cards are changed will allow SANtricity to see the WWNs and then they will be updated for access. The second reboot will allow the host to see the luns.

- 1) touch /reconfigure
- 2) shutdown system
- 3) remove 2 port card and one slot cover
- 4) Install two 1 port cards
- 5) power system up
- 6) sign into the brocade switch and determine the WWN of the card via switchshow command
- 7) bring up SANtricity on the metadata server and replace the old host port mapping for x0sas02 with the new WWNs.
- 8) Confirm device target numbers have not changed. If so, then the sd.conf file may need to be edited
- 9) reboot the server
- 10) Use these two commands to confirm that all luns are present.

This command will allow the SA to confirm that at least one path is present for each of the luns

```
/usr/cvfs/bin/cvlabel -l | grep DPL
```

After StorNext is up (doesn't have to be mounted)

This command will display each lun and shows if both the Active and Passive paths are present.

```
/usr/cvfs/bin/cvadmin -e disks
```